ROOM TEMPERATURE SENSOR (for Automatic Air Conditioning System)

COMPONENTS

LOWER INSTRUMENT PANEL

ROOM TEMPERATURE SENSOR

AIR CONDITIONING DUCT SUB-ASSEMBLY

G

H102030E02
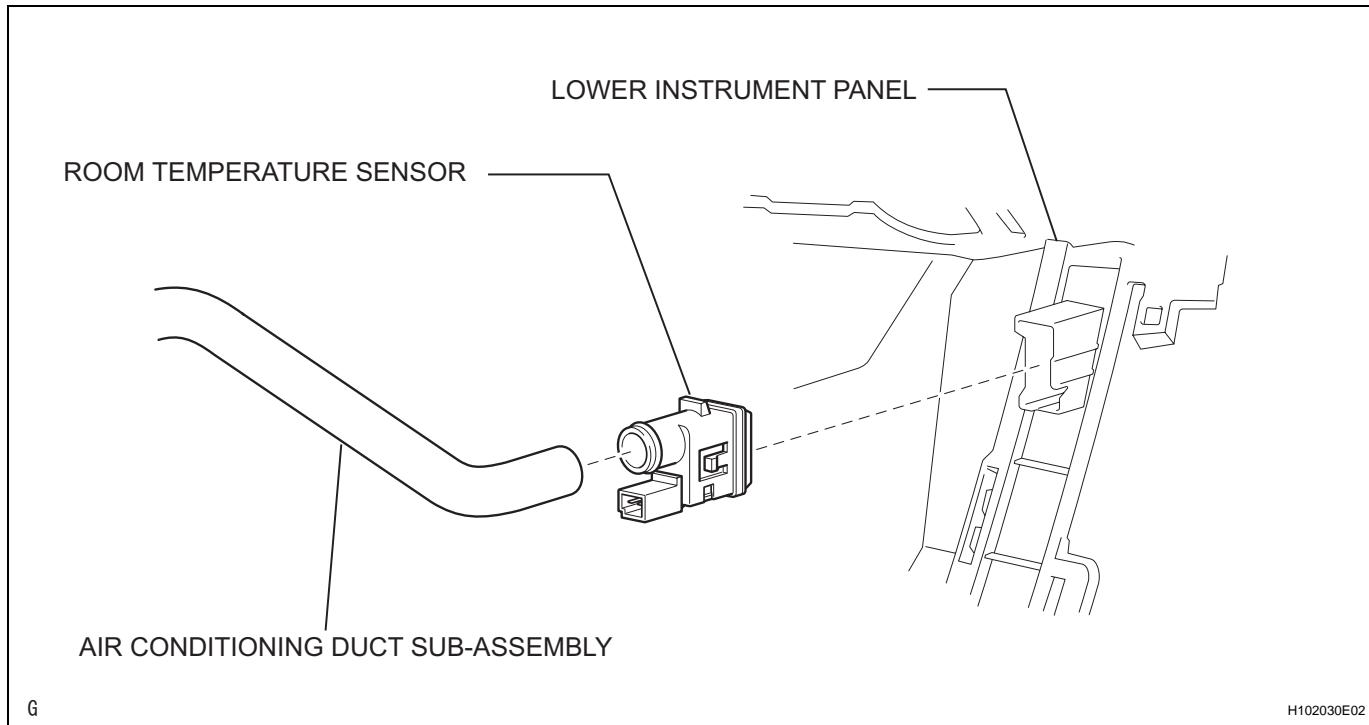
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REMOVAL

1.   REMOVE LOWER INSTRUMENT PANEL
(a)   Remove the lower instrument panel (see page IP-16).
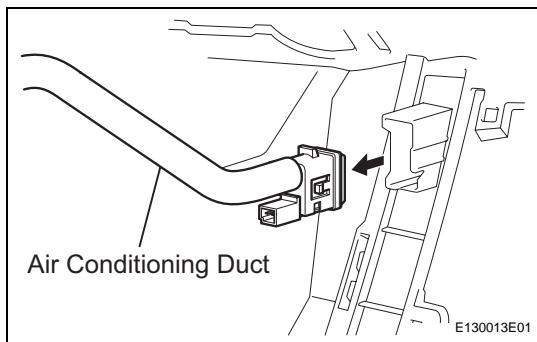
2.   REMOVE ROOM TEMPERATURE SENSOR
(a)   Disconnect the duct.
(b)   Disconnect the connector.
(c)   Detach the claws and remove the sensor.

Air Conditioning Duct

E130013E01

INSPECTION

1.   INSPECT ROOM TEMPERATURE SENSOR
(a)   Measure the resistance of the sensor.
Standard resistance

Tester Connection	Condition	Specified Condition
1 - 2	10°C (50°F)	3.00 to 3.73 kΩ
1 - 2	15°C (59°F)	2.45 to 2.88 kΩ
1 - 2	20°C (68°F)	1.95 to 2.30 kΩ
1 - 2	25°C (77°F)	1.60 to 1.80 kΩ
1 - 2	30°C (86°F)	1.28 to 1.47 kΩ
1 - 2	35°C (95°F)	1.00 to 1.22 kΩ
1 - 2	40°C (104°F)	0.80 to 1.00 kΩ
1 - 2	45°C (113°F)	0.65 to 0.85 kΩ
1 - 2	50°C (122°F)	0.50 to 0.70 kΩ
1 - 2	55°C (131°F)	0.44 to 0.60 kΩ
1 - 2	60°C (140°F)	0.36 to 0.50 kΩ

Resistance (kΩ)

Temperature

E110727E04

NOTICE:
- **Touching the sensor even slightly may change the resistance value. Hold the connector of the sensor.**
- **When measuring the resistance, the sensor temperature must be the same as the ambient temperature.**

HINT:
As the temperature increases, the resistance decreases (see the graph).
If the result is not as specified, replace the room temperature sensor.

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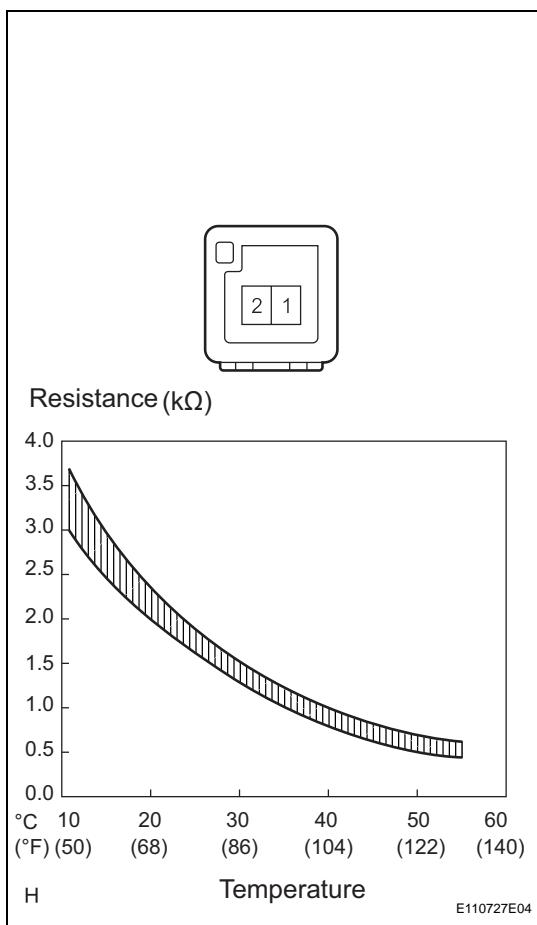
INSTALLATION

1. INSTALL ROOM TEMPERATURE SENSOR
   (a) Attach the claws to install the sensor.
   (b) Connect the connector.
   (c) Connect the duct.

2. INSTALL LOWER INSTRUMENT PANEL
   (a) Install the lower instrument panel (see page IP-23).

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